



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 12711821
SAU: Indian Township
School: Indian Township School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 4

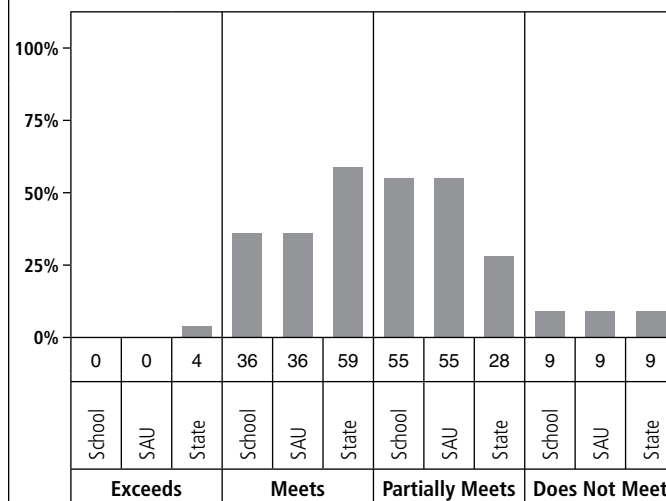
SAU: Indian Township

School: Indian Township School

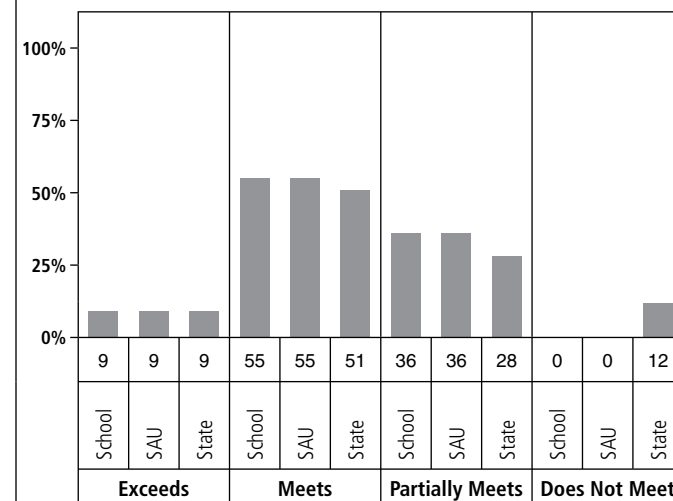
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	432	432	444
2006–2007	430	430	445
2007–2008	440	440	445
Cum. Avg. *	434	434	445
Mathematics			
2005–2006	431	432	444
2006–2007	440	440	445
2007–2008	446	446	445
Cum. Avg. *	438	438	445
Science & Technology			
2005–2006	431	432	444
2006–2007	439	439	444
2007–2008	435	435	444
Cum. Avg. *	435	435	444

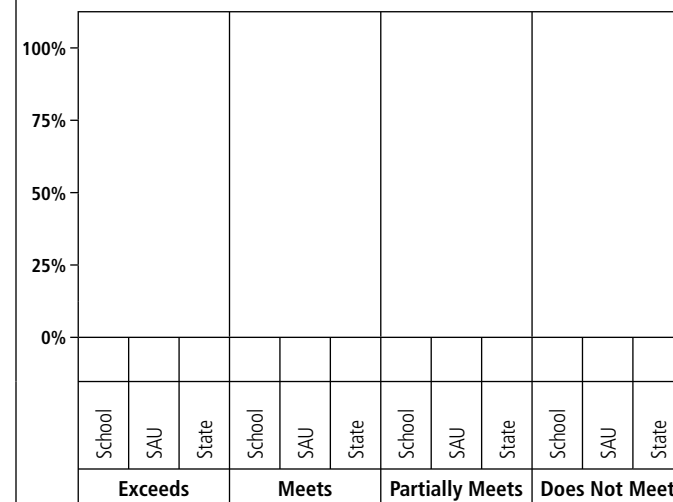
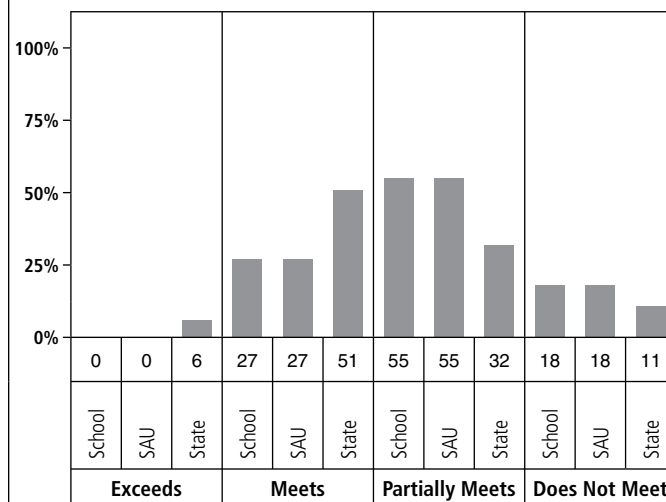
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Indian Township
 School: Indian Township School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	11	100	11	100	14207	100	11	100	11	100	14181	100	11	100	11	100	14123	100	11	100	11	100	14115	99						
Ethnicity African American/Black	0	0	0	0	390	3	0	0	0	0	388	99	0	0	0	0	388	99	0	0	0	0	386	99						
American Indian or Native Alaskan	11	100	11	100	101	1	11	100	11	100	101	100	11	100	11	100	101	100	11	100	11	100	101	100						
Asian or Pacific Islander	0	0	0	0	263	2	0	0	0	0	259	98	0	0	0	0	262	100	0	0	0	0	262	100						
Hispanic	0	0	0	0	170	1	0	0	0	0	168	99	0	0	0	0	166	98	0	0	0	0	166	98						
Caucasian/White	0	0	0	0	13282	93	0	0	0	0	13264	100	0	0	0	0	13205	100	0	0	0	0	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	1	9	1	9	2524	18	1	100	1	100	2514	100	1	100	1	100	2498	99	1	100	1	100	2494	99						
Current LEP	11	100	11	100	385	3	11	100	11	100	377	98	11	100	11	100	383	99	11	100	11	100	380	99						
Economically disadvantaged	9	82	9	82	5587	39	9	100	9	100	5569	100	9	100	9	100	5538	99	9	100	9	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	7	64	7	64	10755	76	7	64	7	64	10730	76	7	64	7	64	10776	76						
Identified disability (PET/IEP)	0	0	0	0	375	3	0	0	0	0	374	3	0	0	0	0	384	4						
LEP	7	100	7	100	148	1	7	100	7	100	148	1	7	100	7	100	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	4	36	4	36	3298	23	4	36	4	36	3267	23	4	36	4	36	3215	23						
Identified disability (PET/IEP)	1	25	1	25	2013	61	1	25	1	25	1998	61	1	25	1	25	1986	62						
LEP	4	100	4	100	225	7	4	100	4	100	233	7	4	100	4	100	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	0	0	0	0	1046	32	0	0	0	0	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Indian Township
School: Indian Township School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	0	0	601	4
	2006-2007	0	0	0	0	507	4
	2007-2008	0	0	0	0	559	4
	Cum. Total*	0	0	0	0	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	1	7	1	6	7910	57
	2006-2007	3	23	3	23	8749	63
	2007-2008	4	36	4	36	8308	59
	Cum. Total*	8	21	8	20	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	5	33	6	38	3970	29
	2006-2007	4	31	4	31	3467	25
	2007-2008	6	55	6	55	3922	28
	Cum. Total*	15	38	16	40	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	9	60	9	56	1421	10
	2006-2007	6	46	6	46	1165	8
	2007-2008	1	9	1	9	1264	9
	Cum. Total*	16	41	16	40	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	25.5	53.1	25.5	53.1	29.7	61.9
Literary Text	24	50	13.5	56.3	13.5	56.3	15.5	64.6
Informational Text	24	50	12.1	50.4	12.1	50.4	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: Indian Township

School: Indian Township School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	101	1	46	44	10	442
Asian or Pacific Islander	0										0						259	6	61	22	11	445
Hispanic	0										0						164	0	45	38	16	440
Caucasian/White	0										0						13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	1										1						2388	0	29	44	26	437
No	10	0	0	4	40	6	60	0	0	441	10	0	40	60	0	441	11665	5	65	25	6	446
Current LEP																						
Yes	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	373	1	32	35	32	436
No	0										0						13680	4	60	28	8	445
Economically disadvantaged																						
Yes	9	0	0	4	44	4	44	1	11	440	9	0	44	44	11	440	5502	1	47	37	14	441
No	2										2						8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	14048	4	59	28	9	445
Gender																						
Female	7	0	0	3	43	4	57	0	0	441	7	0	43	57	0	441	6959	5	61	26	8	446
Male	4										4						7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	0	37	46	17	439
No	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	11	0	0	4	36	6	55	1	9	440	11	0	36	55	9	440	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: Indian Township
School: Indian Township School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	0	0	1	100	0	0	438	9	0	0	100	0	438	5	1	42	36	21	440
B. less than one hour	91	0	0	4	40	5	50	1	10	440	91	0	40	50	10	440	74	4	62	27	7	445
C. one to two hours	0										0						18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	27	0	0	1	33	2	67	0	0	440	27	0	33	67	0	440	30	6	63	24	7	446
B. They match some of what I have learned.	36	0	0	1	25	2	50	1	25	436	36	0	25	50	25	436	52	4	63	27	6	446
C. They match just a little of what I have learned.	18	0	0	1	50	1	50	0	0	445	18	0	50	50	0	445	12	2	46	37	15	441
D. There is no match.	18	0	0	1	50	1	50	0	0	442	18	0	50	50	0	442	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	18	0	0	1	50	1	50	0	0	440	18	0	50	50	0	440	35	7	66	20	6	448
B. good	73	0	0	3	38	5	63	0	0	441	73	0	38	63	0	441	51	3	60	29	7	445
C. fair	9	0	0	0	0	0	0	1	100	428	9	0	0	0	100	428	12	1	44	40	16	440
D. poor	0										0						2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	27	0	0	1	33	2	67	0	0	441	27	0	33	67	0	441	19	2	46	34	17	442
B. about the same as my regular schoolwork	55	0	0	2	33	3	50	1	17	439	55	0	33	50	17	439	62	5	64	26	5	446
C. easier than my regular schoolwork	18	0	0	1	50	1	50	0	0	440	18	0	50	50	0	440	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	27	0	0	0	0	2	67	1	33	433	27	0	0	67	33	433	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	73	0	0	4	50	4	50	0	0	442	73	0	50	50	0	442	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	0										0						33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	9	0	0	1	100	0	0	0	0	444	9	0	100	0	0	444	18	7	64	22	7	447
B. 20 minutes to an hour	27	0	0	1	33	2	67	0	0	437	27	0	33	67	0	437	55	4	64	26	6	446
C. less than 20 minutes	27	0	0	0	0	3	100	0	0	438	27	0	0	100	0	438	14	2	53	33	12	443
D. I rarely read at home.	36	0	0	2	50	1	25	1	25	442	36	0	50	25	25	442	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	36	0	0	1	25	2	50	1	25	436	36	0	25	50	25	436	23	3	50	34	13	442
B. six to ten pages	45	0	0	3	60	2	40	0	0	444	45	0	60	40	0	444	25	3	60	29	8	444
C. eleven or more pages	18	0	0	0	0	2	100	0	0	435	18	0	0	100	0	435	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Indian Township
School: Indian Township School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	0	0	0	0	1294	9
	2006-2007	0	0	0	0	1054	8
	2007-2008	1	9	1	9	1321	9
	Cum. Total*	1	3	1	3	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	4	27	5	31	7000	50
	2006-2007	7	54	7	54	7394	53
	2007-2008	6	55	6	55	7079	51
	Cum. Total*	17	44	18	45	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	5	33	5	31	3784	27
	2006-2007	5	38	5	38	3729	27
	2007-2008	4	36	4	36	3955	28
	Cum. Total*	14	36	14	35	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	6	40	6	38	1894	14
	2006-2007	1	8	1	8	1735	12
	2007-2008	0	0	0	0	1642	12
	Cum. Total*	7	18	7	18	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	10.3	68.7	10.3	68.7	9.5	63.3
Cluster 2: Shape and Size	14	29	9.0	64.3	9.0	64.3	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.5	70.0	3.5	70.0	3.4	68.0
Cluster 4: Patterns	14	29	9.6	68.6	9.6	68.6	9.7	69.3

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Indian Township
 School: Indian Township School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	101	3	46	41	11	442
Asian or Pacific Islander	0										0						262	14	51	23	12	447
Hispanic	0										0						162	4	41	34	21	440
Caucasian/White	0										0						13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	1										1						2372	3	31	36	30	436
No	10	1	10	5	50	4	40	0	0	446	10	10	50	40	0	446	11625	11	54	27	8	447
Current LEP																						
Yes	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	381	4	33	28	35	435
No	0										0						13616	10	51	28	11	445
Economically disadvantaged																						
Yes	9	1	11	5	56	3	33	0	0	447	9	11	56	33	0	447	5472	5	41	35	19	440
No	2										2						8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	13992	9	51	28	12	445
Gender																						
Female	7	1	14	3	43	3	43	0	0	446	7	14	43	43	0	446	6933	9	50	29	12	445
Male	4										4						7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	2	34	41	23	438
No	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	11	1	9	6	55	4	36	0	0	446	11	9	55	36	0	446	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Indian Township
 School: Indian Township School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	1	100	0	0	0	0	452	9	0	100	0	0	452	5	6	34	33	27	438
B. less than one hour	91	1	10	5	50	4	40	0	0	445	91	10	50	40	0	445	74	10	52	28	10	446
C. one to two hours	0										0						18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	36	1	25	3	75	0	0	0	0	454	36	25	75	0	0	454	38	13	56	23	8	448
B. They match some of what I have learned.	36	0	0	2	50	2	50	0	0	443	36	0	50	50	0	443	48	8	52	29	10	445
C. They match just a little of what I have learned.	27	0	0	1	33	2	67	0	0	440	27	0	33	67	0	440	10	4	35	39	22	439
D. There is no match.	0										0						4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	45	1	20	3	60	1	20	0	0	448	45	20	60	20	0	448	35	16	55	20	8	449
B. good	36	0	0	1	25	3	75	0	0	441	36	0	25	75	0	441	48	7	52	31	11	445
C. fair	18	0	0	2	100	0	0	0	0	450	18	0	100	0	0	450	14	3	41	38	18	440
D. poor	0										0						3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	55	0	0	4	67	2	33	0	0	445	55	0	67	33	0	445	15	4	38	33	25	439
B. about the same as my regular schoolwork	36	1	25	1	25	2	50	0	0	446	36	25	25	50	0	446	64	10	54	28	9	446
C. easier than my regular schoolwork	9	0	0	1	100	0	0	0	0	450	9	0	100	0	0	450	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	36	1	25	1	25	2	50	0	0	445	36	25	25	50	0	445	23	8	47	29	16	443
B. two or three days a week	36	0	0	2	50	2	50	0	0	445	36	0	50	50	0	445	36	11	54	27	9	447
C. two or three times each month	18	0	0	2	100	0	0	0	0	451	18	0	100	0	0	451	25	10	53	27	10	446
D. never or almost never	9	0	0	1	100	0	0	0	0	446	9	0	100	0	0	446	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	9	0	0	0	0	1	100	0	0	438	9	0	0	100	0	438	5	3	30	33	33	436
B. two or three days a week	27	0	0	3	100	0	0	0	0	447	27	0	100	0	0	447	19	8	50	30	12	445
C. two or three times each month	55	1	17	3	50	2	33	0	0	448	55	17	50	33	0	448	38	11	55	26	8	447
D. never or almost never	9	0	0	0	0	1	100	0	0	440	9	0	0	100	0	440	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	9	0	0	1	100	0	0	0	0	446	9	0	100	0	0	446	8	3	33	38	25	438
B. 30–45 minutes	36	0	0	3	75	1	25	0	0	446	36	0	75	25	0	446	27	6	48	33	13	443
C. 45–60 minutes	18	0	0	1	50	1	50	0	0	444	18	0	50	50	0	444	38	11	54	26	9	447
D. more than 60 minutes	36	1	25	1	25	2	50	0	0	448	36	25	25	50	0	448	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Indian Township
School: Indian Township School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	0	0	0	0	751	5
	2006-2007	1	8	1	8	963	7
	2007-2008	0	0	0	0	882	6
	Cum. Total*	1	3	1	3	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	1	7	2	13	7251	52
	2006-2007	4	31	4	31	6824	49
	2007-2008	3	27	3	27	7130	51
	Cum. Total*	8	21	9	23	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	6	40	6	38	4514	32
	2006-2007	5	38	5	38	4382	32
	2007-2008	6	55	6	55	4433	32
	Cum. Total*	17	44	17	43	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	8	53	8	50	1458	10
	2006-2007	3	23	3	23	1735	12
	2007-2008	2	18	2	18	1546	11
	Cum. Total*	13	33	13	33	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	5.6	46.7	5.6	46.7	8.0	66.7
Cluster 2: Physical Sciences	12	25	6.8	56.7	6.8	56.7	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	6.3	52.5	6.3	52.5	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	5.9	49.2	5.9	49.2	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/ltsalt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: Indian Township

School: Indian Township School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										0						385	2	27	35	36	434
American Indian or Native Alaskan	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	101	3	44	44	10	441
Asian or Pacific Islander	0										0						262	5	52	28	14	443
Hispanic	0										0						162	2	38	39	21	439
Caucasian/White	0										0						13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	1										1						2370	2	32	41	25	437
No	10	0	0	3	30	5	50	2	20	436	10	0	30	50	20	436	11621	7	55	30	8	445
Current LEP																						
Yes	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	379	1	25	35	39	433
No	0										0						13612	6	52	32	10	444
Economically disadvantaged																						
Yes	9	0	0	3	33	5	56	1	11	438	9	0	33	56	11	438	5470	3	41	39	18	440
No	2										2						8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	13986	6	51	32	11	444
Gender																						
Female	7	0	0	2	29	3	43	2	29	434	7	0	29	43	29	434	6929	6	49	33	12	443
Male	4										4						7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1888	1	32	44	23	437
No	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	11	0	0	3	27	6	55	2	18	435	11	0	27	55	18	435	13725	6	51	32	11	444

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SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: Indian Township

School: Indian Township School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	0	0	1	100	0	0	432	9	0	0	100	0	432	5	4	37	36	22	439
B. less than one hour	91	0	0	3	30	5	50	2	20	436	91	0	30	50	20	436	74	6	53	31	10	444
C. one to two hours	0										0						18	7	52	32	8	445
D. more than two hours	0										0						2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	9	0	0	0	0	0	0	1	100	426	9	0	0	0	100	426	24	9	53	28	10	446
B. They match some of what I have learned.	36	0	0	0	0	3	75	1	25	429	36	0	0	75	25	429	49	6	54	31	9	445
C. They match just a little of what I have learned.	18	0	0	1	50	1	50	0	0	443	18	0	50	50	0	443	21	4	47	36	13	442
D. There is no match.	36	0	0	2	50	2	50	0	0	441	36	0	50	50	0	441	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	18	0	0	0	0	2	100	0	0	435	18	0	0	100	0	435	25	9	53	27	10	446
B. good	45	0	0	1	20	2	40	2	40	432	45	0	20	40	40	432	54	6	55	30	9	445
C. fair	36	0	0	2	50	2	50	0	0	440	36	0	50	50	0	440	19	3	43	40	15	441
D. poor	0										0						3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	55	0	0	2	33	4	67	0	0	437	55	0	33	67	0	437	22	5	45	35	15	442
B. about the same as my regular schoolwork	45	0	0	1	20	2	40	2	40	433	45	0	20	40	40	433	62	7	53	31	9	445
C. easier than my regular schoolwork	0										0						16	7	52	28	13	444
How often do you have science classes?																						
A. every day	18	0	0	0	0	2	100	0	0	436	18	0	0	100	0	436	24	7	48	33	12	444
B. a few times a week	45	0	0	2	40	2	40	1	20	437	45	0	40	40	20	437	53	7	54	31	9	445
C. once a week	18	0	0	0	0	1	50	1	50	426	18	0	0	50	50	426	9	6	46	33	15	442
D. a few times a month	18	0	0	1	50	1	50	0	0	440	18	0	50	50	0	440	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	36	0	0	2	50	2	50	0	0	441	36	0	50	50	0	441	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	27	0	0	0	0	2	67	1	33	428	27	0	0	67	33	428	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	18	0	0	1	50	0	0	1	50	441	18	0	50	0	50	441	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	18	0	0	0	0	2	100	0	0	431	18	0	0	100	0	431	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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